

**SG-16907**

(544) M.Sc. Botany (Fourth Semester)  
Examination, June 2024

**Compulsory/Optional**

Paper - II

Plant Resource Utilization and  
Conservation

*Time : Three Hours ]      [Maximum Marks : 80*

**Note :** Answer from both **sections** as directed. The figures in the right-hand margin indicate marks.

**Section-A**

1. Answer the following, very short answer type :  $1 \times 10 = 10$

(a) What are resin Producing plants?  
(b) Headquarter of IUCN is located in which place?

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*(Turn Over)*

(2)

(c) Write Botanical Name & Family of any one Forrage plant?  
(d) What are Aromatic Plants? Give examples.  
(e) Write full form of NWFPs with examples.  
(f) What is Extinction?  
(g) What is full form of NBPGR?  
(h) Write Number of National Parks in Chattisgarh?  
(i) Cryo-preservation done in which Temperature?  
(j) Write full form of ICAR.

2. Answer the following short-answer type questions:  $2 \times 5 = 10$

(a) Write on Mangrove Plants?  
(b) Write name of any two hot spots located in India?

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*(Continued)*

**(3)**

- (c) What is Field gene bank?
- (d) Write on gum producing plants?
- (e) What are fiber producing plants?

**Section-B**

**Note :** Answer the following questions in detail.  $15 \times 4 = 60$

3. What is Biodiversity? Write its concept, level, role & stability?

**OR**

Write notes on following :

- (a) Reason for loss of species?
- (b) Terrestrial Biodiversity?

4. Discuss on Plants (5 plants in each category) as a source of fodder, oil & Medicine? <https://www.abvfonline.com>

**OR**

Write notes on following :

- (a) Vegetable Producing plants?
- (b) Aromatic Plants?

**(4)**

5. Discuss on Timber yielding plants and non-wood Forest Products?

**OR**

Write notes on following :

- (a) Avenue Trees?
- (b) Pollution control?

6. What is Conservation? Write its types, with examples & importance?

**OR**

Write notes on following :

- (a) Wetlands and its importance?
- (b) Botanical garden and its importance?

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